

Southern States Oil Company
 Herbel A-10
 NW-SW-SW, Section 26-14S-14W
 Russell County, Kansas

APR 28 1977

DRY & ABANDONED

CONTRACTOR: Duke Drilling Rig #4
 COMMENCED: 4/15/77
 COMPLETED: 4/21/77
 ELEVATIONS: 1782 K.B., 1789 D.F., 1777 G.L.
 CASING PROGRAM: Surface: 8 5/8" @259
 Production: None
 MEASUREMENTS: All depths measured from the
 Kelly Bushing
 DRILLING TIME: Drilling time - One (1) foot drilling
 time recorded by geologist, surface
 to R.T.D.
 SAMPLES: Samples saved 2800' to R.T.D.
 ELECTRIC LOG: None
 FORMATION TESTING: There was one (1) drill stem test
 run by Halliburton Testers

<u>FORMATION</u>	<u>SAMPLE DEPTH</u>	<u>SUB-SEA DATUM</u>
Anhydrite (Driller)	761	+1021
Heebner	2871	-1089
Toronto	2890	-1108
Douglas	2901	-1119
Lansing	2937	-1155
Base Kansas City	3142	-1360
Gorham Sand	3178	-1396
Rotary Total Depth	3195	-1413

(All tops and zone determinations were made from a correlation of
 sample analysis and a drilling time log.)

SAMPLE ANALYSIS, SHOWS OF OIL, TESTING DATA, ETC.

TOPEKA SECTION
 2807-2814

Limestone; cream, slightly chalky,
 fossiliferous, poor fossil-cast
 porosity, spotty dead stain

2823-2829

Limestone; white, fossiliferous,
 chalky, fair fossil-cast porosity,
 fair spotty stain

2833-2844

Limestone; grey, finely crystalline,
 to sub-oocastic, chalky, no shows
 of oil

TORONTO SECTION
 2894-2899

Limestone; grey, cherty, fossiliferous,
 poor fossil-cast porosity, spotty
 dead stain

LANSING SECTION
 2939-2946

Limestone; grey, finely crystalline,
 slightly fossiliferous, highly cherty,
 poor fossil-cast porosity, 100%
 saturation

2970-2975 Limestone; white, oocastic, chalky, good oocastic porosity, no shows of oil

2979-2982 Limestone; white, oocastic, good oocastic porosity, trace of free oil, no odor in fresh samples

3007-3010 Limestone; grey, mealy, slightly fossiliferous, slight brown stain, trace of free oil and faint odor in fresh samples

3019-3023 Limestone; grey, oocastic, oolitic, fair stain and saturation, show of free oil, no odor in fresh samples

Drill Stem Test #1 2998 - 3026

Open: I.F. 30"
F.F. 45"

Blow: Weak, increasing to strong

Recovery: 60' gas
75' oil cut mud

Pressures: ISIP 147 psi (45")
FSIP 138 psi (45")
FP 26 - 60 psi

3029-3040 Limestone; white, oolitic to oocastic, good oocastic porosity, trace spotty stain at top, grading to white chalky barren oocastic limestone

3080-3090 Limestone; white to cream, slightly chalky, oocastic, good oocastic porosity, trace spotty light brown stain, trace of free oil, no odor in fresh samples

3105-3111 Limestone; cream to white, oolitic to fossiliferous, fair fossil-cast porosity, spotty stain and saturation, trace of free oil, flaky, no odor in fresh samples

3118-3120 Limestone; buff, sub-oocastic, trace of stain, trace of free oil, flaky, no odor in fresh samples

GORHAM SECTION
3178-3195

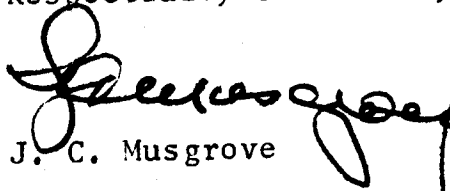
Sand; white to grey, coarse grained, angular, quartzitic, traces of pink, red and green discoloration, fair intergranular porosity, trace dark black gilsonitic stain, no free oil, no odor in fresh samples

ROTARY TOTAL DEPTH 3195 (-1414)

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RECOMMENDATIONS: As a result of the low structural position, the negative drill stem test and there being no other zones worthy of any further testing, it was recommended that the Herbel A-10 be plugged and abandoned at the total depth of 3195 (-1413).

Respectfully submitted,



J. C. Musgrove

JCM:mw

